

1 The invention also relates to methods of making these light transmitting filters. The light transmitting filters of the present invention have improved light throughput and improved angularity. The use of the light filters of the invention in rear projection screens substantially reduces speckle without materially affecting the percentage of light transmitted through the screen.

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Brief Description of the Drawings

Figs. 1a and 1b are cross sectional views of a light transmitting filter of the invention where Fig. 1b is an expanded view of a portion of Fig. 1a.

Fig. 1c is a cross sectional view of another filter of the invention.

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Figs. 2a - ^{2e} 2c are cross sectional views illustrating one method of preparing the light transmitting filters of the invention.

^{3e}
Figs. 3a - ^{3e} 3c are cross sectional views illustrating another method of preparing the light transmitting filters of the invention.

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Detailed Description of the Preferred Embodiments

As used in the specification and claims, the phrase substantially uniform layer refers to a layer of the construction which has a thickness with little variance, such as a variation in thickness of less than about 5 microns, preferably a variation of less than about 2.5 microns, or preferably less than about 1.25 microns. The term conformed layer refers to a layer which conforms substantially in shape to the protruding portions of the microspheres. Here and elsewhere in the specification and claims, the range and ratio limits may be combined.

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As described above, the present invention is directed to a light transmitting filter comprising:

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